

AMENDMENTS TO THE CLAIMS

Claims 1-33 (cancelled)

34. (Currently amended) A chromatography measuring method comprising:
providing a biosensor having

- (i) a development portion,
- (ii) a marker reagent held in a first part of said development portion in a dry state, said marker reagent being elutable by an inspection target solution including a measurement target, and
- (iii) an immobilized reagent in a second part of said development portion,

wherein said marker reagent in said first part is a marked material that can be specifically bonded to said measurement target in said inspection target solution, and said immobilized reagent in said second part is a reagent that can be specifically bonded to said measurement target in and said inspection target solution marker reagent once bonded to each other;

~~a development step of developing said inspection target solution on said development portion;~~

~~a first measurement step of using an optical detector to measure, in an arbitrary position a measurement area between said first and second parts of said development portion that does not include said second part of said development portion, between said first and second parts of said development portion;~~ an amount of said marker reagent that has been eluted from said first part of said development portion;

~~a second measurement step of using an optical detector to measure, in said second part of said development portion, an amount of said marker reagent that is bonded to said immobilized reagent in said second part of said development portion;~~

~~a correction step of correcting the amount of said marker reagent that is bonded as measured in said second measurement step, on the basis of a relationship between the amount of~~

said marker reagent that has been eluted as measured in said first measurement step and a total amount of said marker reagent that was held in said first part before ~~said development step~~ the developing of said inspection target solution; and

measuring a concentration of said measurement target in said inspection target solution on the basis of the amount of said marker reagent that is bonded, to said immobilized reagent in said second part of said development portion, as corrected ~~by said correction step~~.

35. (Currently amended) The chromatography measuring method according to claim 34, ~~further comprising:~~

~~performing said first measurement step prior to performing said second measurement step~~
wherein

using an optical detector to measure the amount of said marker reagent that has been eluted from said first part of said development portion is performed prior to using an optical detector to measure the amount of said marker reagent that is bonded to said immobilized reagent in said second part of said development portion.

36. (Currently amended) The chromatography measuring method according to claim 34, ~~further comprising:~~

~~performing said first measurement step~~ wherein

using an optical detector to measure the amount of said marker reagent that has been eluted from said first part of said development portion comprises measuring said amount of said marker reagent, that has been eluted from said first part of said development portion, before said inspection target solution passes said second part of said development portion.

37. (Currently amended) The chromatography measuring method according to claim 34, wherein

said first measurement step using an optical detector to measure the amount of said marker reagent that has been eluted from said first part of said development portion comprises

~~measuring~~ measures said amount of said marker reagent, that has been eluted from said first part of said development portion, before said marker reagent is bonded to any immobilized reagent.

38. (Currently amended) A chromatography measuring method comprising:
providing a biosensor having

- (i) a development portion,
- (ii) a marker reagent held in a first part of said development portion in a dry state, part of said marker reagent being elutable by an inspection target solution including a measurement target, and
- (iii) an immobilized reagent in a second part of said development portion,

wherein said marker reagent in said first part is a marked material that can be specifically bonded to said measurement target in said inspection target solution, and said immobilized reagent is a reagent that can be specifically bonded to said measurement target ~~in~~ and said inspection target solution marker reagent once bonded to each other;

~~a development step of~~ developing said inspection target solution on said development portion;

~~a first measurement step of~~ using an optical detector to measure, on said second part of said development portion, an amount of said marker reagent so as to obtain an amount of said marker reagent that is bonded to said immobilized reagent in said second part of said development portion;

~~a second measurement step of~~ using an optical detector to measure, in ~~an arbitrary position~~ a measurement area of said first part of said development portion, an amount of residual marker reagent that has not been eluted from said first part of said development portion by ~~performance of said development step~~ the developing of said inspection target solution;

~~a correction step of~~ correcting the amount of said marker reagent that is bonded as ~~determined by said first measurement step~~ obtained, on the basis of a relationship between the amount of residual marker reagent that has not been eluted as measured ~~in said second~~

~~measurement step~~ and a total amount of said marker reagent that was held in said first part before ~~said development step~~ the developing of said inspection target solution; and

measuring a concentration of said measurement target in said inspection target solution on the basis of the amount of said marker reagent that is bonded, to said immobilized reagent in said second part of said development portion, as corrected ~~by said correction step~~.

39. (Currently amended) The chromatography measuring method according to claim 38, ~~further comprising:~~

~~performing said second measurement step prior to performing said first measurement step~~
wherein

using an optical detector to measure the amount of residual marker reagent that has not been eluted from said first part of said development portion is performed prior to using an optical detector to measure the amount of said marker reagent so as to obtain the amount of said marker reagent that is bonded to said immobilized reagent in said second part of said development portion.

40. (Currently amended) The chromatography measuring method according to claim 38, wherein

~~said second measurement step~~ using an optical detector to measure the amount of residual marker reagent that has not been eluted from said first part of said development portion
comprises measuring ~~measures~~ said amount of said residual marker reagent, that has not been eluted from said first part of said development portion, before said marker reagent, that is eluted from said first part, becomes bonded to any immobilized reagent.

41. (Currently amended) A chromatography measuring method comprising:
providing a biosensor having

(i) a development portion,

(ii) a marker reagent held in a first part of said development portion in a dry state, said marker reagent being elutable by an inspection target solution including a measurement target, and

(iii) an immobilized reagent in a second part of said development portion, wherein said marker reagent in said first part is a marked material that can be bonded to and reacted with said immobilized reagent while said marked material is in said inspection target solution after having been eluted by said inspection target solution, and said immobilized reagent in said second part is a reagent with which said marker reagent and measurement target can competitively bond ~~that can be specifically bonded to said marker reagent;~~

~~a development step of developing said inspection target solution on said development portion;~~

~~a first measurement step of using an optical detector to measure, in an arbitrary position a measurement area between said first and second parts of said development portion that does not include said second part of said development portion, between said first and second parts of said development portion,~~ an amount of said marker reagent that has been eluted from said first part of said development portion;

~~a second measurement step of using an optical detector to measure, in said second part of said development portion, an amount of said marker reagent that is bonded to said immobilized reagent in said second part of said development portion;~~

~~a correction step of correcting the amount of said marker reagent that is bonded as measured in said second measurement step, on the basis of a relationship between the amount of said marker reagent that has been eluted as measured in said first measurement step and a total amount of said marker reagent that was held in said first part before said development step~~ the developing of said inspection target solution; and

measuring a concentration of said measurement target in said inspection target solution on the basis of the amount of said marker reagent that is bonded, to said immobilized reagent in said second part of said development portion, as corrected ~~by said correction step.~~

42. (Currently amended) The chromatography measuring method according to claim 41, further comprising:
~~— performing said first measurement step prior to performing said second measurement step~~
wherein

using an optical detector to measure the amount of said marker reagent that has been eluted from said first part of said development portion is performed prior to using an optical detector to measure the amount of said marker reagent that is bonded to said immobilized reagent in said second part of said development portion.

43. (Currently amended) The chromatography measuring method according to claim 41, further comprising: wherein

performing said first measurement step using an optical detector to measure the amount of said marker reagent that has been eluted from said first part of said development portion comprises measuring said amount of said marker reagent, that has been eluted, from said first part of said development portion, before said inspection target solution passes said second part of said development portion.

44. (Currently amended) The chromatography measuring method according to claim 41, wherein

said first measurement step measures using an optical detector to measure the amount of said marker reagent that has been eluted from said first part of said development portion comprises measuring said amount of said marker reagent, that has been eluted from said first part of said development portion, before said marker reagent is bonded to any immobilized reagent.

45. (Currently amended) A chromatography measuring method comprising:
providing a biosensor having:

(i) a development portion,

(ii) a marker reagent held in a first part of said development portion in a dry state, part of said marker reagent being elutable by an inspection target solution including a measurement target, and

(iii) an immobilized reagent in a second part of said development portion, wherein said marker reagent in said first part is a marked material that can be bonded to and reacted with said immobilized reagent while said marked material is in said inspection target solution after having been eluted by said inspection target solution, and said immobilized reagent is a reagent with which said marker reagent and measurement target can competitively bond ~~that can be specifically bonded to said marker reagent;~~

~~a development step of developing said inspection target solution on said development portion;~~

~~a first measurement step of using an optical detector to measure, on said second part of said development portion, an amount of said marker reagent so as to obtain an amount of said marker reagent that is bonded to said immobilized reagent on said second part of said development portion;~~

~~a second measurement step of using an optical detector to measure, in an arbitrary position~~ a measurement area of said first part of said development portion, an amount of residual marker reagent that has not been eluted from said first part of said development portion by performance of said development step;

~~a correction step of correcting the amount of said marker reagent that is bonded as determined~~ obtained by said first measurement step, on the basis of a relationship between the amount of residual marker reagent that has not been eluted as measured ~~in said second measurement step~~ and a total amount of said marker reagent that was held in said first part before ~~said development step~~ the developing of said inspection target solution; and

measuring a concentration of said measurement target in said inspection target solution on the basis of the amount of said marker reagent that is bonded, to said immobilized reagent in said second part of said development portion, as corrected ~~by said correction step~~.

46. (Currently amended) The chromatography measuring method according to claim 45, further comprising:

~~performing said second measurement step prior to performing said first measurement step~~
wherein

using an optical detector to measure the amount of residual marker reagent that has not been eluted from said first part of said development portion is performed prior to using an optical detector to measure the amount of said marker reagent so as to obtain the amount of said marker reagent that is bonded to said immobilized reagent on said second part of said development portion.

47. (Currently amended) The chromatography measuring method according to claim 45, wherein

~~said second measurement step~~ using an optical detector to measure the amount of residual marker reagent that has not been eluted from said first part of said development portion
comprises measuring ~~measures~~ said amount of said residual marker reagent, that has not been eluted from said first part of said development portion, before said marker reagent, that is eluted from said first part, becomes bonded to any immobilized reagent.